

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 October 2003 (30.10.2003)

PCT

(10) International Publication Number
WO 03/088972 A1

(51) International Patent Classification⁷: **A61K 31/519**,
A01N 43/90, C07D 487/00

HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA,
MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, SC, SG,
TN, TT, UA, US, UZ, VN, YU, ZA.

(21) International Application Number: PCT/US03/12127

(22) International Filing Date: 18 April 2003 (18.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/374,219 19 April 2002 (19.04.2002) US
60/388,557 13 June 2002 (13.06.2002) US

(71) Applicant (for all designated States except US):
SMITHKLINE BEECHAM CORPORATION
[US/US]; One Franklin Plaza, Philadelphia, PA 19103
(US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BOEHM, Jeffrey**,
C. [US/US]; 709 Swedeland Road, King of Prussia, PA
19403 (US). **WIDDOWSON, Katherine, L.** [CA/US];
709 Swedeland Road, King of Prussia, PA 19406 (US).
CALLAHAN, James, F. [US/US]; 709 Swedeland Road,
King of Prussia, PA 19406 (US). **WAN, Zehong** [CN/US];
709 Swedeland Road, King of Prussia, PA 19406 (US).

(74) Agents: **DINNER, Dara, L.** et al.; SmithKline Beecham
Corporation, Corporate Intellectual Property, UW2220,
709 Swedeland Road, P.O. Box 1539, King of Prussia, PA
19406-0939 (US).

(81) Designated States (national): AE, AG, AL, AU, BA, BB,
BR, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GE, HR,

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AU, BA, BB, BR, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, SC, SG, TN, TT, UA, UZ, VN, YU, ZA, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
- of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NOVEL COMPOUNDS

(57) Abstract: Novel substituted 2, 4, 8-trisubstituted-8H-pyrido[2,3-d]pyrimidin-7-one compounds and compositions for use in therapy as CSBP/p38 kinase inhibitors.

WO 03/088972 A1